# Worksheet 4 Programming language translators

1. Fill in the blanks in the following: [6]

When a program is ­­­­­­­­­­­­­­­­­­­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ from source code, the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ can be saved on disk and executed whenever required.

A / An \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is useful for program development as parts of the program can be \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ without having to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ a lengthy program each time. However, a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ program will generally run faster.

2. If you have written a Python or VB program for one type of computer, can you run it on a different type of computer? Explain. [2]

3. Name a programming language that uses bytecode. What are the advantages for the programmer of having code compiled into bytecode? Do some research on the Internet on this topic. [2]